

Converting Colors

$Yxy(13.5706, 0.2379, 0.1542)$

Have a look what the booklet for
Yxy(13.5706, 0.2379, 0.1542)
contains.

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Color

Yxy(13.5784, 0.2372, 0.1539)

Conversions

Conversions Part 1

Format	Color
Hex	7C4DC4
RGB	124, 77, 196
RGB Percent	49%, 30%, 77%
CMY	0.5137, 0.6980, 0.2315
CMYK	0.37, 0.61, 0.00, 0.23
HSL	264°, 50%, 54%
HSV	264°, 61%, 77%
XYZ	20.9279, 13.5784, 53.7225
YIQ	104.6190, -10.1870, 46.9730

Conversions

Conversions Part 2

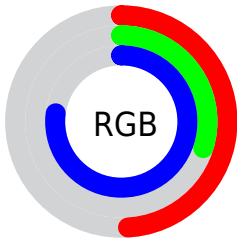
Format	Color
R_{YB}	124, 77, 196
Decimal	8146372
CIE _{Lab}	43.62, 44.93, -55.24
CIE _{LCh}	44, 71.208, 309.125
Yxy	13.5784, 0.2372, 0.1539
Android (android.graphics.Color)	4286336452 (0xFF7C4DC4)
YUV	104.6190, 45.0508, 16.9971
Hunter-Lab	36.8489, 36.8913, -60.6455

Details

The Yxy color **13.5784, 0.2372, 0.1539** is a dark color, and the websafe version is hex **663399**. The color can be described as dark muted purple. A complement of this color would be **46.3869, 0.3557, 0.4932**, and the grayscale version is **13.8980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3539, 0.2562, 0.1863**, and **3.9825, 0.2047, 0.1072** is the 20% darker color. If you saturate the color by 10%, you get **10.4063, 0.2218, 0.1272**, and if you desaturate by 10%, it is **17.6835, 0.2525, 0.1835**.

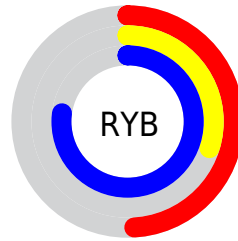
Distribution



Red (49%)

Green (30%)

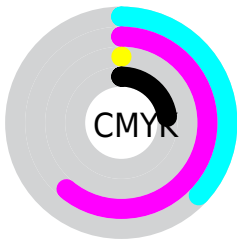
Blue (77%)



Red (49%)

Yellow (30%)

Blue (77%)

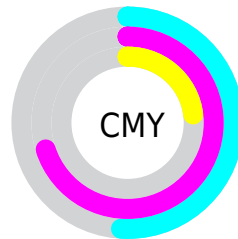


Cyan (37%)

Magenta (61%)

Yellow (0%)

Black (23%)



Cyan (51%)


Magenta (70%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5784, 0.2372, 0.1539 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 13.5784, 0.2372, 0.1539 by changing the saturation by 10% instead.


 13.5784, 0.2372,
0.1539


 13.5784, 0.2372,
0.1539


214.5920, 0.2829,
0.2432


 7.8280, 0.2234,
0.1327


 32.3391, 0.2556,
0.1859


 3.9851, 0.2047,
0.1069


 46.1182, 0.2620,
0.1982


 1.6652, 0.1783,
0.0759

 63.3423, 0.2672,
0.2086

 0.4010, 0.1415,
0.0344

 84.3958, 0.2715,
0.2175

 0.0000, 0.0778,
0.0000

 109.6631, 0.2750,
0.2252

 0.0000, 0.0000,
0.0000

139.5287, 0.2781,

0.2320

174.3769, 0.2807,
0.2379

■ 13.5784, 0.2372,
0.1539

■ 13.5784, 0.2372,
0.1539

■ 10.4063, 0.2218,
0.1272

■ 17.6835, 0.2525,
0.1835

■ 8.0852, 0.2071,
0.1051

■ 22.7910, 0.2671,
0.2144

■ 6.5206, 0.1939,
0.0887

■ 28.9650, 0.2805,
0.2451

■ 5.5799, 0.1833,
0.0783

■ 36.2641, 0.2925,
0.2746

■ 44.7421, 0.3031,
0.3021

■ 54.4496, 0.3121,
0.3273

■ 65.4340, 0.3199,
0.3501

■ 77.7404, 0.3264,
0.3705

■ 91.4113, 0.3319,
0.3886

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.5784, 0.1485, 0.1374



13.5784, 0.2372, 0.1539



13.5784, 0.3787, 0.1997

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.5784, 0.2372, 0.1539



13.5784, 0.5469, 0.4338



13.5784, 0.1277, 0.3505

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.5784, 0.2372, 0.1539



46.3869, 0.3557, 0.4932

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.5784, 0.2089, 0.5399



13.5784, 0.2372, 0.1539



13.5784, 0.4476, 0.5388

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.5784, 0.2372, 0.1539



13.5784, 0.5880, 0.3450



13.5784, 0.3253, 0.6091



13.5784, 0.0980, 0.2132

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.5784, 0.2372, 0.1539



13.5784, 0.4824, 0.2437



13.5784, 0.3253, 0.6091



13.5784, 0.1488, 0.4143

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.5789, 0.2372, 0.1539



69.2394, 0.2952, 0.2814



27.4918, 0.2227, 0.2552



13.9039, 0.2919, 0.2731



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.5789, 0.2372, 0.1539



17.2444, 0.2166, 0.1190



19.2487, 0.3029, 0.1826



9.9378, 0.3044, 0.3056



3.6335, 0.1847, 0.0791



0.1970, 0.2109, 0.0935

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



19.2089, 0.3828, 0.2385



28.8523, 0.4062, 0.2265



42.2193, 0.3116, 0.5185



10.1779, 0.3197, 0.3152



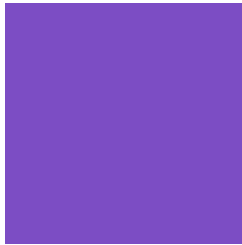
8.4070, 0.4504, 0.2255



0.3765, 0.4141, 0.2055

Previews

White Background



This preview shows how the Yxy color 13.5784, 0.2372, 0.1539 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 13.5784, 0.2372, 0.1539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

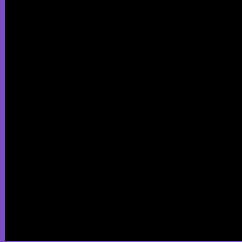
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.5784, 0.2372, 0.1539

Background



This preview shows how black text looks on a background with the Yxy color 13.5784, 0.2372, 0.1539.



This preview shows how white text looks on a background with the Yxy color 13.5784, 0.2372, 0.1539.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.5784, 0.2372, 0.1539

Protanopia

13.6268, 0.1739, 0.1461

Deuteranopia

13.6483, 0.1833, 0.1798



Tritanopia

13.4757, 0.3092, 0.3119

Trichromacy



Original Color

13.5784, 0.2372, 0.1539



Protanomaly

12.4963, 0.1805, 0.1413



Deuteranomaly

12.4600, 0.1872, 0.1612



Tritanomaly

13.0881, 0.2786, 0.2361

Monochromacy



Original Color

13.5784, 0.2372, 0.1539



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.4641, 0.2810, 0.2463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5784, 0.2372, 0.1539 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(124, 77, 196)` looks like.

```
.text, #text, p{  
    color:rgb(124, 77, 196)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(124, 77, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 77, 196) }
```

Border

The CSS property to change the border of an element to Yxy 13.5784, 0.2372, 0.1539 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(124, 77, 196) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(124, 77, 196) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(124, 77, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 77, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 77, 196);  
box-shadow:4px 4px 4px 4px rgb(124, 77,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5784, 0.2372, 0.1539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 77, 196) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(124, 77,  
196) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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